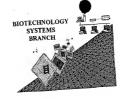
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form: -6111

Application Serial Number:	09/904,420 OIRE
Source:	8/8/2001
Date Processed by STIC:	8/0/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2Kcompliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

	SUGGESTED CORRECTION SERIAL NUMBER: 09/904, 420
ERROR DETECTED	SUGGESTED CORRECTION PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
ATTN: NEW RULES CASES	PLEASE DISREGARD ENGLISHED
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped to the number/text at the end of each line "wrapped to the number/text at a word processor after creating it. Please adjust your right margin to .3; this will was retrieved in a word processor after creating it.
2 Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers;
3Misaligned Amino Numbering	
	use space characters, and an account of the submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please The submitted file was not saved in ASCII text.
4Non-ASCII	
5Variable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a larger residue. Please present the maximum number of each each n or Xaa can only represent a larger residue. Please present the maximum number of each each n or Xaa can only represent a larger residue. Please present the maximum number of each each nor of the control of
6PatentIn 2.0 "bug"	A "bug" in Patentin version 2.0 has cugsed the <pre>220</pre> -223 section to be missing from amino acid <pre>A "bug" in Patentin version 2.0 has cugsed the <pre>220</pre></pre> <pre>-223</pre> <pre>section to be missing from amino acid</pre> <pre>Mormally, Patentin would automatically generate this section from the sequence(s)</pre> <pre>section to perviously coded nucleic acid sequence.</pre> Plass manually copy the relevant <pre>~200</pre> <pre>~223</pre> sections for This papiler to the mandatory <pre>~210 ~223 sections for</pre>
	Artificial or Unknown sequences.
	Artificial or Unknown acquirements and the following lines for each skipped sequence: Sequence(s)
7Skipped Sequences (OLD RULES)	(2) INFORMATION FOR SEQ ID NO.4. (instal do so not insert any subheadings under this heading) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION: SEQ ID NO.X: (insert SEQ ID NO where "X" is shown) (iii) SEQUENCE DESCRIPTION: SEQ ID NO.X: (insert SEQ ID NO where "X" is shown)
	This sequence is minimized and a property of the sequences.
	This sequence is inclusionally any properties also adjust the "(ii) NUMBER OF SEQUENCES." response to include the skipped sequences. Sequence(s) missing, If Intentional, please insert the following lines for each skipped sequence.
8 Skipped Sequences	Sequence(s) missing. If Intentional, please this transfer the
8Skipped Sequences (NEW RULES)	<210> sequence id number
(0.2	<400> sequence id number
}	000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rulet, use of <20>-223-5 is ANDNATORY if n's or Xaa's are present. In 2200 to C223 section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	In 720-10-220-10-220-10-2004 Per 1823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Octous/species). <220><223> section is required when <213> response is Unknown or scientific name (Octous/species). <220><223> section is required when <213> response is Unknown or scientific name (Octous/species).
	is Artificial Sequence
11Use of <220>	is Artificial Sequence. Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> in <223> is MANDATORY if <213 "Organism" response is "Artificial Sequences" or Use of <220> in Capacity of Capacity and Capacity of Capacity (Capacity of Capacity Capacity One).
"Unknow	"Unknown." Please explain source of general Pagister "06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Roles)
12PatentIn 2.0 "bug"	resulting in missing manually holder or any other manual means to copy life to hoppy disk. [isting). Instead, please use "File Manager" or any other manual means to copy life to hoppy disk.
	and the appleic soid sequence. N is not used to represent
13Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.
	Sentence Beauch = 08/21/2001

AMC/MH - Biotechnology Systems Branch - 08/21/2001

DATE: 08/08/2001

OIPE

TIME: 07:56:04 PATENT APPLICATION: US/09/904,420 Input Set : A:\Rpa1003.app Output Set: N:\CRF3\08082001\I904420.raw 3 <110> APPLICANT: Begovich, Ann B Erlich, Henry A Grupe, Andrew 5 Noble, Janelle A Does Not Comply 6 Peltz, Gary A Corrected Diskette Needed 7 Reynolds, Rebecca L 8 Walker, Karen M 9 Zangenberg, Gabriele 12 <120> TITLE OF INVENTION: TCF-1 Nucleotide Sequence Variation 14 <130> FILE REFERENCE: RPA1003 > 16 <140> CURRENT APPLICATION NUMBER: US/09/904,420 -> 17 <141> CURRENT FILING DATE: 2001-07-12 19 <150> PRIOR APPLICATION NUMBER: US 60/219,812 20 <151> PRIOR FILING DATE: 2000-07-21 22 <160> NUMBER OF SEQ ID NOS: 9 24 <170> SOFTWARE: PatentIn Ver. 2.1 ERRORED SEQUENCES 26 <210> SEQ ID NO: 1 27 <211> LENGTH: 2855 28 <212> TYPE: DNA 29 <213> ORGANISM: Homo sapiens 32 ggateceggg ggtecegggg geeggegeeg gggeeegegg egaggeegag gtgageecee 60 33 geoggegeeg geteeteece egeggtegee geoeggege coccagttge gegeegecet 120 34 cggggtetec agacagageg tecetgeece ggegteggee cegaceeceg eggteecace 180 35 geceetcact ecceteeggt teteceteea ggeteteggg egggaacace gtgegeagag 240 36 actetteccg gacaaactte cagageceet ggaggaeggt gagtttetge eeggeeegge 300 37 ttcccttcgt cgcgctcagg ccctggcctc ggtgggacgg ggacgccaag gaccgcgggg 360 Jee Jam 9
on Evan
Sunnay 38 agccqqqtqc ctcccccacc gcaqctcagg aggcqgcaga acccaggggt ggaqaqtggg 420 E--> 39 gggcdhgctt cccgggcgcc gccgggtcga gtcacttccg gtgccctgac ctttatagga 480 40 gtaaacagac occegocate eccegoctoce etectgeeca ggtgaetgae taateegeeg 540 41 cettcaggag acagaattgg ccaaggttte ttggttggag ggtggggggt gggaggtcaa 600 42 gtaggggcca cctcggggag gcctgccctc caggtccttc ccctaaaact tggcactgcc 660 43 gatactecca geoegtteet teecaagtea ggaacttgea ggggaeceet tggeaattet 720 44 ttttctctca agagcagaca gccttcagtc ccagccgctg ccagggctgg tgtgtctgac 780 45 ccagctgtgg tttttccagg cctgaaggcc ccggagtgca ccagcggcat gtacaaagag 840 46 acceptatact cogcettoaa tetectoate cattacccac coccetegge ageaggecag 900 47 cacceccage egeageeece getggtaagt ggaceeegee acteacecae ecteettete 960 48 atttttcagc acaaggccaa tcagcccccc cacggtgtcc cccaactetc tctctacgaa 1020 49 catttcaaca gcccacatcc caccctgca cctgcggaca tcagccagaa gcaaggtaca 1080 50 agoetgggat geocacteae teagettete teetetgeag tteacaggee tetgeagace 1140 51 cctgacctct ctggcttcta ctccctgacc tcaggcagca tggggcagct cccccacact 1200 52 gtgagetggt gagtgtggge ceageteagt gttaaettte tteetgeete eaggtteaee 1260 53 cacccatect tgatgetagg ttetggtgta eetggteace cagcagecat eeeccaeceg 1320

RAW SEQUENCE LISTING

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/904,420

DATE: 08/08/2001 TIME: 07:56:04

Input Set : A:\Rpa1003.app
Output Set: N:\CRF3\08082001\1904420.raw

Output See. 27 ()	
54 gocattytyc cococtoagy gaagcaggag ctgcagcct tcgaccgcaa cctytgagtg 1380 55 aaagacaatc ctgaacaatc tygattyty coctagga agacacaagc agagtccaag 1440 56 gocagagaagag aggccaagaa gccaacatc agagtgccaa gatagagag ctgcagagagag aggccaagaga gagccaa gytagagacaa gytagagacaa gytagagacaa gytagagacaa gytagagacaa gytagagagagagagagagagagaagaagagagagagaga	00 00 10 10 10 10 10 10 10 10 10 10 10 1

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/904,420

DATE: 08/08/2001 TIME: 07:56:05

Input Set : A:\Rpa1003.app
Output Set: N:\CRF3\08082001\I904420.raw

L:16 M:270 C: Current Application Number differs, Replaced Application Number L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:39 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1